

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036446.D
 Acq On : 3 Mar 2021 19:52
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Mar 04 03:26:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/04/2021
 Supervised By :Mahesh Dadoda 03/04/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1667154	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3961907	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3875810m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3223915	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2140104	9.288	ppbv	99
3) Chlorodifluoromethane	2.99	51	1783360	9.044	ppbv	100
4) Chloromethane	3.14	50	885917	9.454	ppbv	96
5) Vinyl Chloride	3.26	62	864423	9.770	ppbv	100
6) Bromomethane	3.48	94	500593	9.127	ppbv	93
7) Chloroethane	3.56	64	299145	8.976	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2093318	9.249	ppbv	99
9) Propene	3.01	41	742541	8.642	ppbv	94
10) Heptane	8.14	43	2061038	9.729	ppbv	99
11) Trichlorofluoromethane	3.96	101	2136401	8.979	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1368859	9.021	ppbv	98
13) Ethanol	3.61	45	114409m	8.678	ppbv	
14) Bromoethene	3.74	108	577374	9.164	ppbv	97
15) Acetone	3.86	43	1632415	8.568	ppbv	98
16) 1,3-Butadiene	3.33	39	855276	9.307	ppbv	98
17) tert-Butyl alcohol	4.30	59	1259341	8.336	ppbv	99
18) 1,1-Dichloroethene	4.29	96	600123	8.892	ppbv	97
19) Isopropyl Alcohol	3.98	45	777011	7.257	ppbv #	98
20) Methylene Chloride	4.35	84	531744	8.280	ppbv	95
21) Allyl Chloride	4.42	41	986662	9.185	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	558428	9.138	ppbv	98
23) Vinyl Acetate	5.09	43	2063593	9.571	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1593778	9.365	ppbv	100
25) Ethyl Acetate	5.69	43	3433891	9.270	ppbv	99
26) Hexane	5.70	57	1391403	9.180	ppbv	98
27) Carbon Disulfide	4.56	76	1512617	10.055	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1891778	9.314	ppbv	100
29) Chloroform	5.76	83	2288104	9.227	ppbv	100
30) Cyclohexane	7.14	84	1183863	9.453	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1415385	9.667	ppbv	91
32) 1,1,1-Trichloroethane	6.52	97	2240158	8.990	ppbv	99
34) 2-Butanone	5.25	43	2109798	8.835	ppbv	99
35) Carbon Tetrachloride	7.03	117	2320018	9.063	ppbv	99
36) Benzene	6.90	78	2923507	9.510	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1758448	9.103	ppbv	99
38) Trichloroethene	7.85	130	1038068	8.935	ppbv	99
39) 1,2-Dichloropropane	7.63	63	1169450	8.946	ppbv	98
40) 1,4-Dioxane	7.84	88	330284	7.697	ppbv #	1
41) Tetrahydrofuran	6.06	42	1277592	9.592	ppbv	99
42) Bromodichloromethane	7.81	83	2435641	9.330	ppbv	100
43) Methyl Methacrylate	8.02	69	1273610	10.229	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5033818	8.980	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1354208	11.176	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1667309	10.540	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1177925	9.039	ppbv	97
48) Dibromochloromethane	10.32	129	1919532	9.727	ppbv	99
49) Bromoform	13.06	173	1519118	9.410	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3394487	9.763	ppbv	100
51) 2-Hexanone	10.15	43	2729063	10.383	ppbv #	99
52) Tetrachloroethene	11.24	164	973106	8.440	ppbv	96
53) Toluene	9.82	91	3261609	9.851	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1719264	9.139	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1445876	8.418	ppbv #	60
57) Chlorobenzene	12.17	112	2351145	8.399	ppbv	98
58) Ethyl Benzene	12.73	91	4363627	9.061	ppbv	100
59) m/p-Xylene	13.01	91	7406671m	17.395	ppbv	
60) o-Xylene	13.71	91	3500628	8.558	ppbv	99
61) Styrene	13.55	104	2455056	9.870	ppbv	99
62) Isopropylbenzene	14.69	105	5154670	8.358	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2334942	7.301	ppbv	99
64) n-propylbenzene	15.58	120	1332133	8.647	ppbv	100
65) tert-Butylbenzene	16.76	119	4293083	8.001	ppbv	99
66) Benzyl Chloride	17.00	91	1385820	9.251	ppbv	100
67) sec-Butylbenzene	17.31	105	6115924	8.162	ppbv	99
69) p-Isopropyltoluene	17.67	119	5028777	8.387	ppbv	99
70) n-Butylbenzene	18.57	91	5249981	8.471	ppbv	100
71) 2-Chlorotoluene	15.47	91	3944217	8.502	ppbv	100
72) 4-Ethyltoluene	15.86	105	3958357	8.910	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3692639	8.567	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3714137	8.116	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	2023864	7.963	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	1995912	7.859	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	1990782	8.001	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1747228	8.824	ppbv	99
79) Naphthalene	22.22	128	3529916	13.168	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	900636	15.538	ppbv	97
81) 1,2,4-Trichlorobenzene	21.95	180	1750942	11.364	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

